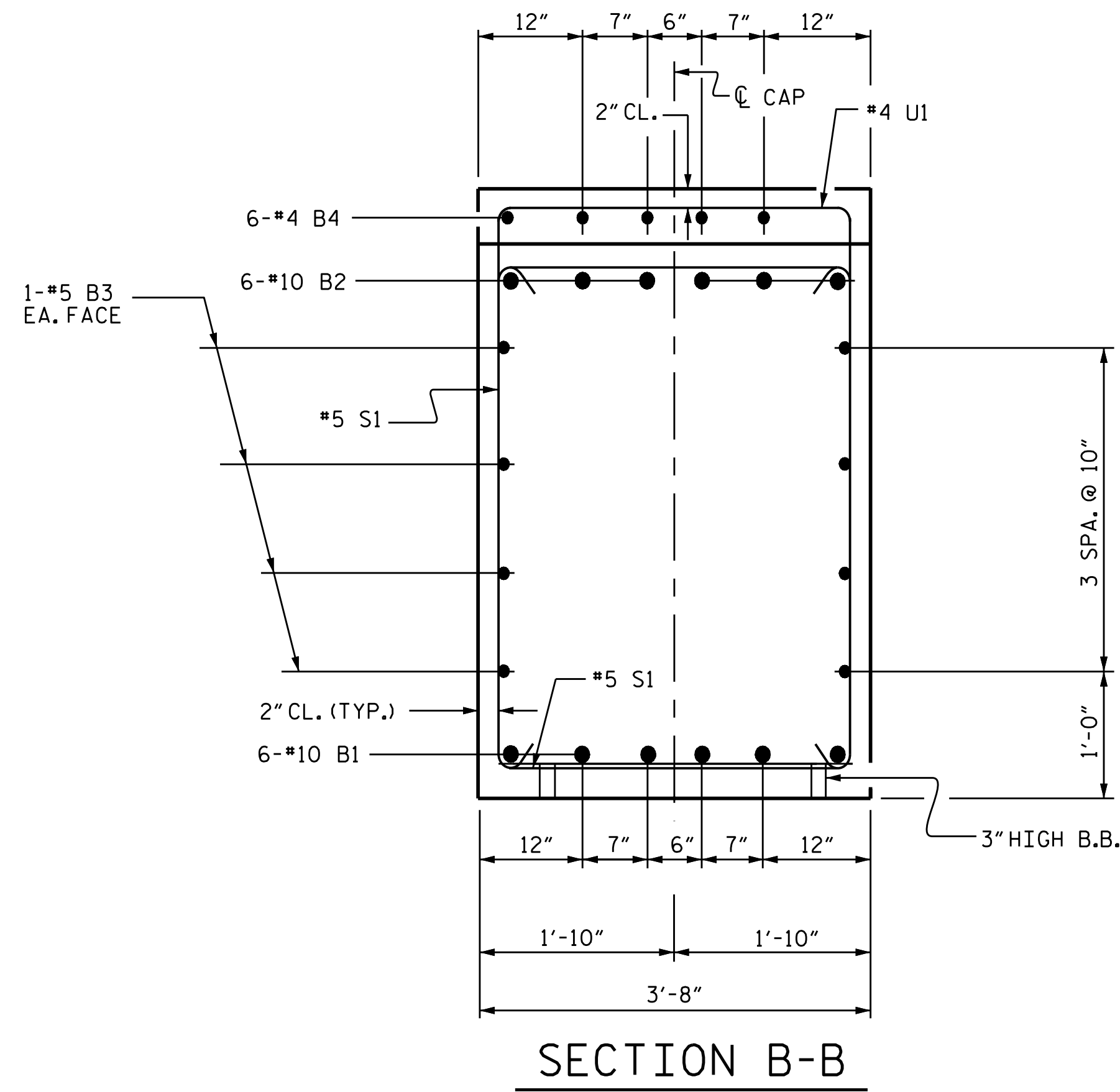
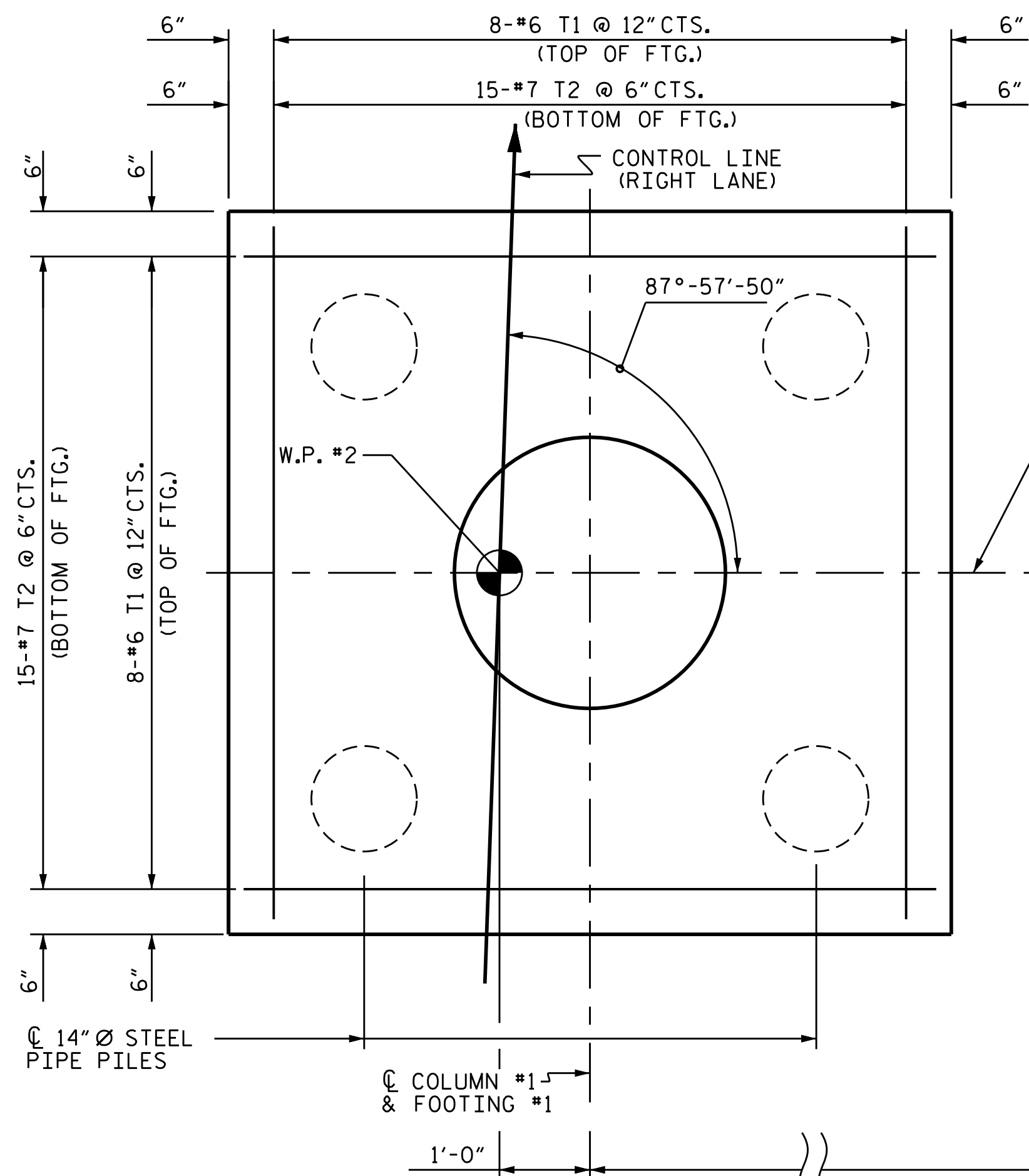


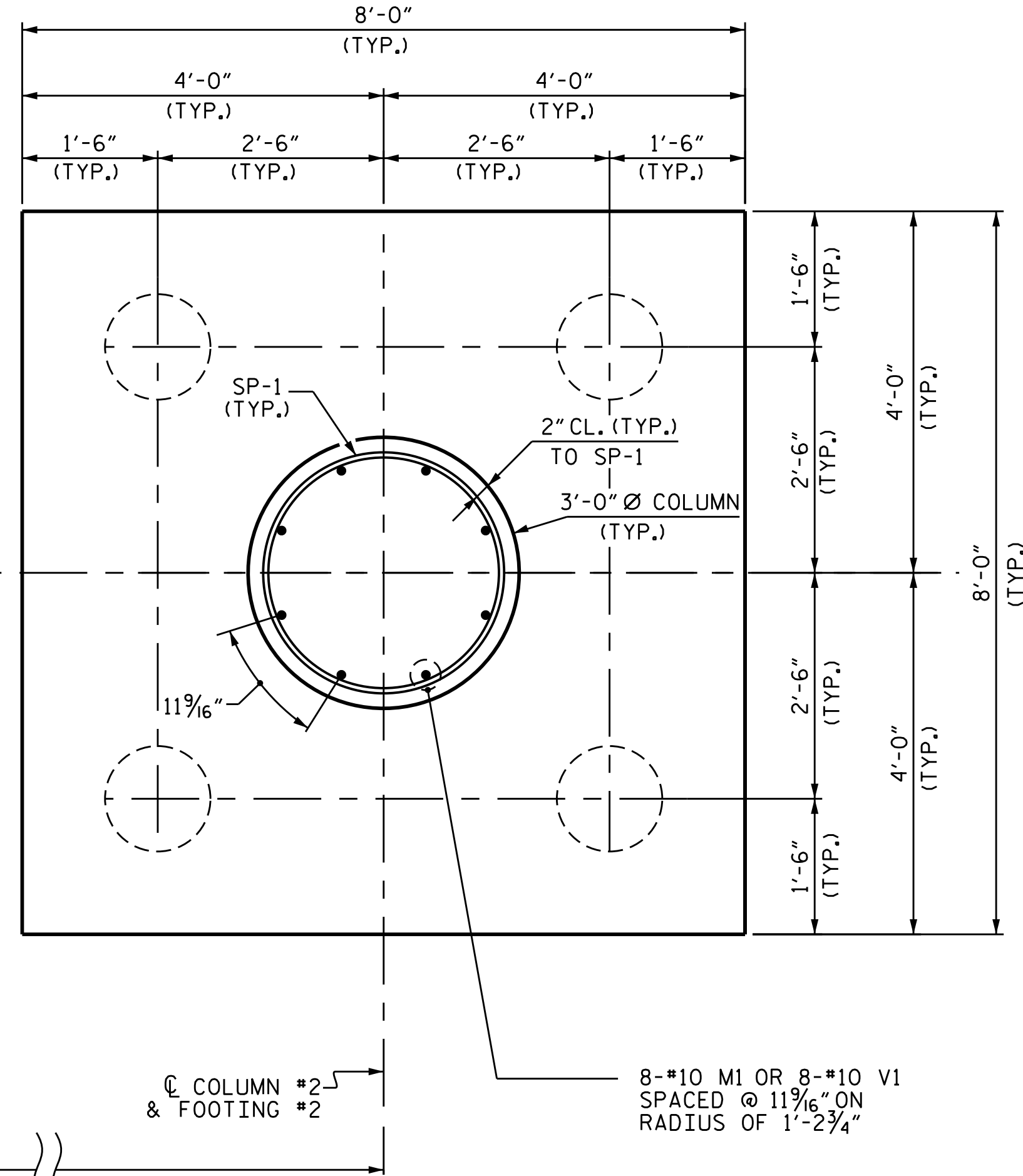
SECTION A-A



SECTION B-B

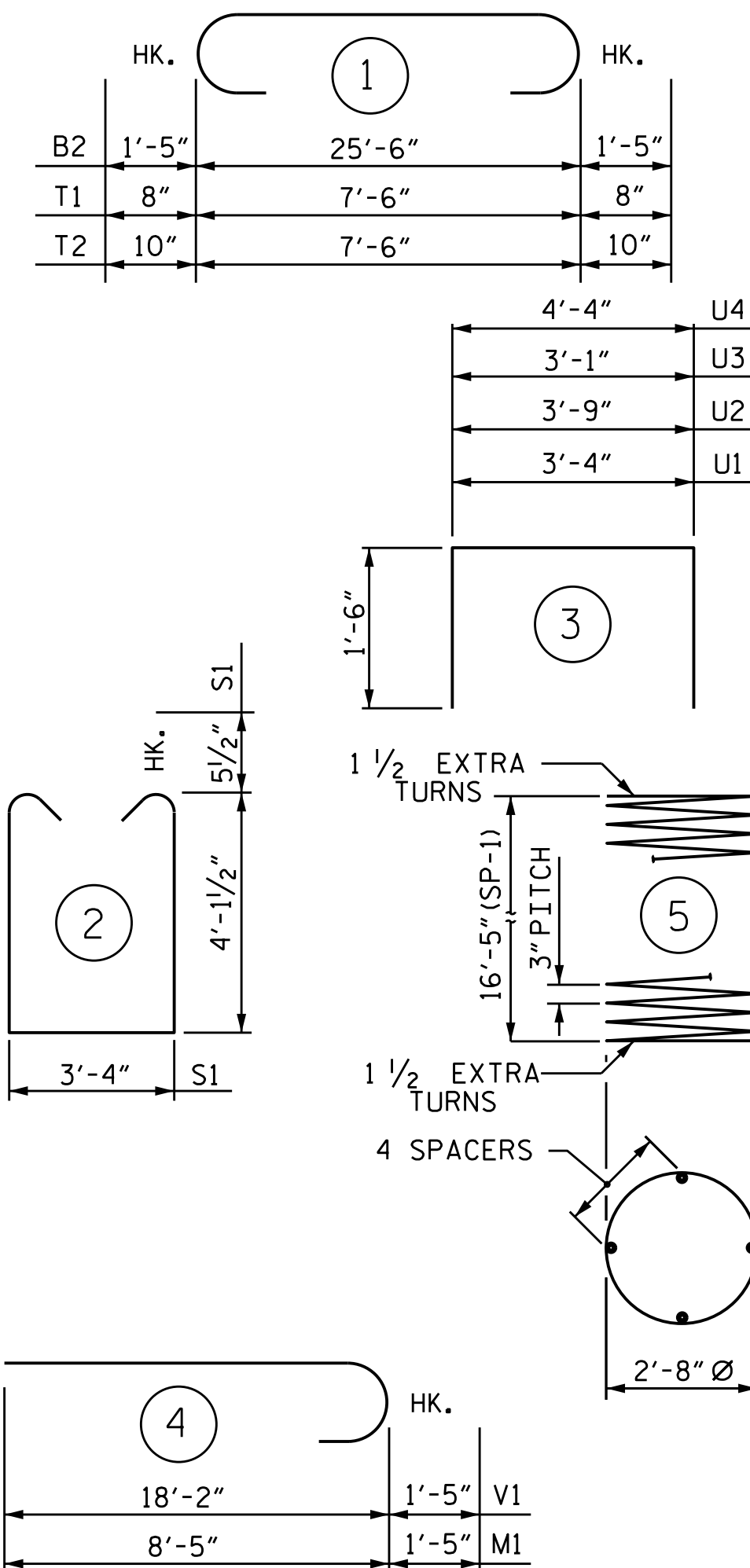


PLAN OF FOOTINGS

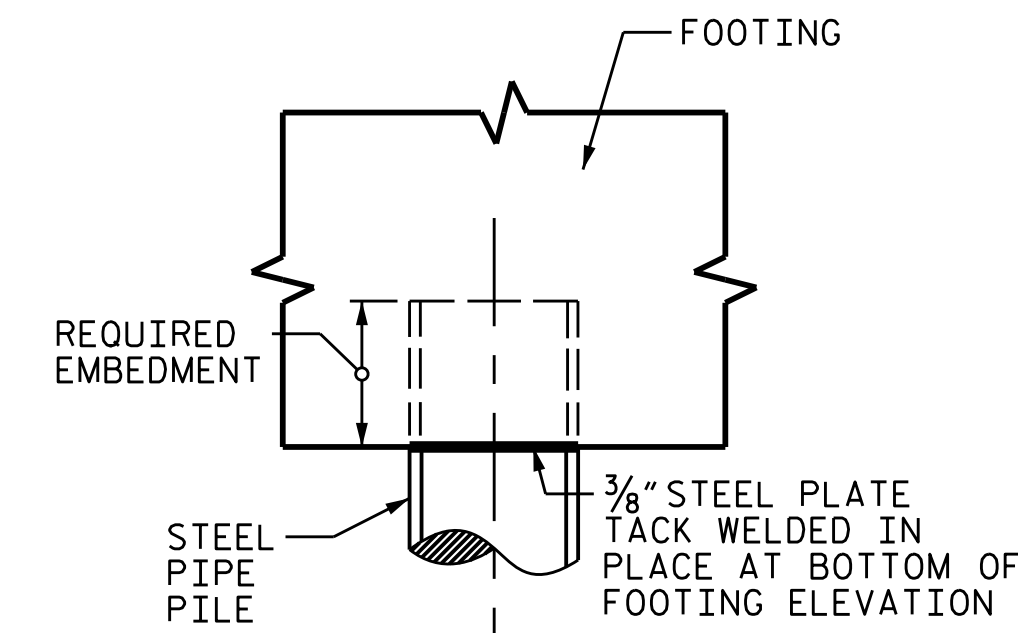


(ALL FOOTING, COLUMN DIMENSIONS AND REINFORCING STEEL ARE TYPICAL)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.



PIPE PILE IN FOOTING DETAIL

(THE CONTRACTOR MAY PROPOSE AN ALTERNATE METHOD FOR PLUGGING THE STEEL PIPE PILE, SUBJECT TO APPROVAL BY THE ENGINEER.)

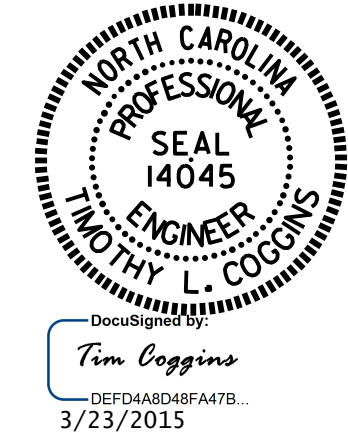
BILL OF MATERIAL

BENT #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	10	STR	25'-6"	658
B2	6	10	1	28'-4"	732
B3	8	5	STR	25'-8"	214
B4	6	4	STR	4'-2"	17
S1	28	5	2	12'-6"	365
U1	24	4	3	6'-4"	102
U2	3	4	3	6'-9"	14
U3	8	4	3	6'-1"	33
U4	3	4	3	7'-4"	15
M1	16	10	4	9'-10"	677
V1	16	10	4	19'-7"	1348
T1	32	6	1	8'-10"	425
T2	60	7	1	9'-2"	1124
REINFORCING STEEL					5724 LBS.
SP-1	2	**	5	569'-4"	761 LBS.
SPIRAL COLUMN REINFORCING STEEL					761 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR #1 FOOTINGS	CU. YD.	16.6			
POUR #2 COLUMNS	CU. YD.	8.5			
POUR #3 CAP	CU. YD.	16.6			
TOTAL CLASS A CONCRETE	CU. YD.	41.7			
14" Ø PIPE PILES	LIN. FT.	600			
NO. 8	EA.				
STEEL PILE POINTS	EA.	4			
NO. 8	EA.				
PILE REDRIVES	EA.	4			
** THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					

PROJECT NO. R-2514D
 JONES-CRAVEN COUNTY
 STATION: 28+29.35 -Y10-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT #1 (RIGHT LANE)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		



DRAWN BY: GHOLAMREZA KOUCHEKI DATE: 6/09/14
 CHECKED BY: K.P. SEDA DATE: 6/11/14
 DESIGN ENGINEER OF RECORD: GHOLAMREZA KOUCHEKI DATE: 02/2015